

ABSTRACT OF THE DISCLOSURE

The invention relates to a sensor array for detecting travel of a movable member, especially a positioning element that is movable using an actuator. Said sensor array comprises a stationary coil arrangement (18) that is provided with an active coil (18.1) and at least one passive coil (26.1, 26.2) located a distance therefrom. The coil arrangement (18) is connected to a power supply unit (30) and a signal-detecting device (29). The inventive sensor array further comprises an axially movable rod-shaped sensor part (17) that is made of a preferably magnetizable material, is connected to the positioning element which is movable fore and aft in an axial direction, and is provided with at least one short circuit element (23, 23.0). Said at least one short circuit element (23, 23.0) is made of an electrically conducting material having low ohmic resistance, is delimited by a final edge (23.1, 23.2) in the longitudinal direction, respectively, and has a dimension in the direction of movement, which is calculated such that one final edge (23.1, 23.2, 23.3) of the at least one short circuit element (23) is enclosed by the active coil (18.1) in at least one final position (I, II) defined by the predefined length of stroke (h) while another final edge (23.1, 23.2, 23.3) of the at least one short circuit element (23, 23.0) is at least partly embraced by one of the at least one passive coils (26.1, 26.2).